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(54) Title: THERMOPLASTIC ELASTOMERIC MATERIAL COMPRISING A VULCANIZED RUBBER IN A SUBDIVIDED FORM

(57) Abstract: The present invention relates to a thermoplastic elastomeric material comprising: (a) from 110% by weight to 100% by weight, preferably from 20% by weight to 80% by weight, of at least one styrene-based thermoplastic elastomer; (b) from 0% by weight to 90% by weight, preferably from 20% by weight to 80% by weight, of at least one thermoplastic α -olefin homopolymer or copolymer different from (a); the amount of (a) + (b) being 100; (c) from 2 parts by weight to 90 parts by weight, preferably from 5 parts by weight to 40 parts by weight, of a vulcanized rubber in a subdivided form; (d) from 0.01 parts by weight to 10 parts by weight, preferably from 0.05 parts by weight to 5 parts by weight, of at least one coupling agent containing at least one ethylenic unsaturation; the amounts of (c) and (d) being expressed with respect to 100 parts by weight of (a) + (b). Said thermoplastic elastomeric material shows improved mechanical properties, in particular, stress at break and elongation at break. Moreover, said thermoplastic elastomeric material shows improved abrasion resistance.



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